

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Canceled):

Claim 2 (Currently Amended): The computer peripheral of claim 22 or claim 27 in which a trajectory ~~obtained by~~ associated with the input shaping results in maximum speed of paper advance subject to acoustic ~~noise vibration~~, structural vibration, and motion constraints.

Claim 3 (Canceled).

Claim 4 (Currently Amended): The computer peripheral of claim 22 or claim 27 wherein a trajectory of the electromechanical mechanism ~~obtained by~~ associated with the input shaping, results in vibration-reduced operation of paper advance.

Claim 5 (Canceled).

Claim 6 (Currently Amended): The computer peripheral of claim 22 or claim 27 further ~~including~~ comprising a sensor responsive to the dynamic response of the peripheral.

Claim 7 (Previously Presented): The computer peripheral of claim 6 wherein the sensor is an accelerometer.

Claim 8 (Previously Presented): The computer peripheral of claim 6 wherein the sensor is a microphone.

Claim 9 (Currently Amended): The computer peripheral of claim 6 wherein an output from the sensor is used ~~by the circuitry to provide~~ in the construction of the shaped input.

Claim 10 (Currently Amended): The computer peripheral of claim 22 or claim 27 wherein the peripheral is a printer.

Claim 11 (Currently Amended): The computer peripheral of claim 22 or claim 27 wherein the peripheral is a scanner.

Claim 12 (Currently Amended): The computer peripheral of claim 22 or claim 27 further comprising a user interface.

Claim 13 (Currently Amended): The computer peripheral of claim 22 or claim 27 wherein a ~~trajectory of the input mechanism~~ is further constructed to increase speed, decrease noise, or increase speed and decrease noise in combination to lesser degrees than either individually quick, quiet, or in-between.

Claims 14-16 (Canceled).

Claim 17 (Previously Presented): The computer peripheral of claim 12 wherein the peripheral is a printer.

Claim 18 (Previously Presented): The computer peripheral of claim 12 wherein the peripheral is a scanner.

Claims 19-20 (Canceled):

Claim 21 (Currently Amended): The computer peripheral of claim 22 or claim 27, further comprising including a user control configured to tune the computer peripheral to its environment.

Claim 22 (Currently Amended): A computer peripheral, comprising:
an electromechanical mechanism configured to advance paper during a print operation; and
~~circuitry configured to shape~~ an input to an actuator of the electromechanical mechanism constructed based on acoustic frequencies of the paper, the acoustic frequencies of the paper being associated with acoustic noise generated by advancement of the paper by the electromechanical mechanism, to reduce the acoustic noise generated by the advancement of the paper.

Claim 23 (Currently Amended) The computer peripheral of claim 22 or claim 27, wherein the acoustic frequencies of the paper are changed based on a characteristic ~~the type~~ of the paper specified by a user or detected by the computer peripheral.

Claim 24 (Currently Amended) The computer peripheral of claim 21, wherein the peripheral is operated on a table and the user control includes a mechanism to designate a characteristic type of the table.

Claim 25 (Currently Amended) The computer peripheral of claim 21, wherein the user control includes a mechanism to specify a characteristic type of the paper.

Claim 26 (Currently Amended) The computer peripheral of claim 13, wherein the peripheral includes a user control which enables selection of the increase in speed, the decrease in noise, or the combination ~~the quick and quiet modes, or optionally an in between modes.~~

Claim 27 (New): A computer peripheral, comprising:
an electromechanical mechanism configured to advance paper during a print operation; and
an input to a controller of the electromechanical mechanism constructed based on acoustic frequencies of the paper, the acoustic frequencies of the paper being associated with acoustic noise generated by advancement of the paper by the electromechanical mechanism, to reduce the acoustic noise generated by the advancement of the paper.

Claim 28 (New): The computer peripheral of claim 22 or claim 27 further comprising a means for a user to interface with the computer peripheral.